

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IS2004/000010

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/82 C12N15/62 C12N9/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, CHEM ABS Data, Sequence Search, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 048 715 A (HAYNES ET AL) 11 April 2000 (2000-04-11)	1, 4, 5, 7-11, 15, 17, 21
Y	column 3, paragraph 3; figure 14; example 6 ----- WO 00/77174 A (CBD TECHNOLOGIES LTD; VISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBRE) 21 December 2000 (2000-12-21) abstract; claims 1-24; figure 1	6, 16, 18-20
X	US 2002/164718 A1 (TCHAGA GRIGORIY S ET AL) 7 November 2002 (2002-11-07) page 6, left-hand column, paragraph 1; figures 2, 4; example 1 -----	1-5, 7-11, 15
Y	----- -/-	18-20

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

21 March 2005

Date of mailing of the international search report

06/04/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/05922 A (MPB COLOGNE GMBH, MOLECULAR PLANT & PROTEIN BIOTECHNOLOGY; PETSCH, DAG) 24 January 2002 (2002-01-24) abstract -----	6,16
A	BORASTON ALISDAIR B ET AL: "Binding specificity and thermodynamics of a family 9 carbohydrate-binding module from Thermotoga maritima xylanase 10A" BIOCHEMISTRY, vol. 40, no. 21, 29 May 2001 (2001-05-29), pages 6240-6247, XP002321709 ISSN: 0006-2960 cited in the application abstract -----	12-14
A	BORASTON ALISDAIR B ET AL: "A family 2a carbohydrate-binding module suitable as an affinity tag for proteins produced in <i>Pichia pastoris</i> " PROTEIN EXPRESSION AND PURIFICATION, vol. 21, no. 3, April 2001 (2001-04), pages 417-423, XP002321711 ISSN: 1046-5928 abstract; figure 2 -----	12-14
A	REEVES R A ET AL: "Sequencing and expression of additional xylanase genes from the hyperthermophile <i>Thermotoga maritima</i> FjSS3B.1." APPLIED AND ENVIRONMENTAL MICROBIOLOGY. APR 2000, vol. 66, no. 4, April 2000 (2000-04), pages 1532-1537, XP002321710 ISSN: 0099-2240 abstract -----	12-14
A	CHHABRA S R ET AL: "Biochemical characterization of <i>Thermotoga maritima</i> endoglucanase Cel7A with and without a carbohydrate binding module (CBM)" FEBS LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 531, no. 2, 6 November 2002 (2002-11-06), pages 375-380, XP004391664 ISSN: 0014-5793 abstract -----	12-14

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the International search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the international application as filed
 - filed together with the international application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IS2004/000010

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